

ABSTRACT

BACKGROUND:

The healing properties and osseous regeneration of platelet derived growth factors produced from platelet rich fibrin plays a major role in bone regeneration in the extraction socket.

PURPOSE:

The purpose of the study to compare the bone regeneration in the bilateral extraction socket by using autologous platelet rich fibrin gel

MATERIALS AND METHODS:

Total 30 patients were selected for this study with bilateral extraction age group from 18-55years. Case group treated with autologous platelet rich fibrin gel and no intervention in control group. Standardized IOPA taken in both group to evaluate the bone regeneration in the extraction socket by using Adobe photoshop 7.0. The grey level histogram value is used to measure and compare the bony regeneration between case and control group.

RESULTS:

The bone regeneration is higher in patients treated with platelet rich fibrin when compared with patients did not under went any intervention.

CONCLUSION:

Platelet rich fibrin plays an important role in bone regeneration in the extraction socket which helpful to maintain ridge height, reduce bony defects for future prosthesis.

KEY WORDS:

Platelet concentrates, Platelet rich fibrin ,Growth factors ,Bone regeneration
Grey level histogram values.